

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	1	"20040253734"	US-PGPUB; USPAT; USOCR	OR	OFF	2008/12/15 21:32
L2	4	"6419018"	US-PGPUB; USPAT; USOCR	OR	OFF	2008/12/15 21:33
L3	1	"20030178195"	US-PGPUB; USPAT; USOCR	OR	OFF	2008/12/15 21:33
L4	1	"20040200618"	US-PGPUB; USPAT; USOCR	OR	OFF	2008/12/15 21:33
L5	7	1 2 3 4	US-PGPUB; USPAT; USOCR	OR	OFF	2008/12/15 21:33
L6	4689	chemical near3 injection	US-PGPUB; USPAT; USOCR	OR	OFF	2008/12/15 21:40
L7	8885	depressurization	US-PGPUB; USPAT; USOCR	OR	OFF	2008/12/15 21:40
L8	5	5 and (6 or 7)	US-PGPUB; USPAT; USOCR	OR	OFF	2008/12/15 21:41
L9	118	hydrate near3 plug	US-PGPUB; USPAT; USOCR	OR	OFF	2008/12/15 21:49
L10	8	9 and 7	US-PGPUB; USPAT; USOCR	OR	OFF	2008/12/15 21:50
L11	8	6 and 9	US-PGPUB; USPAT; USOCR	OR	OFF	2008/12/15 21:50
L12	13	10 11	US-PGPUB; USPAT; USOCR	OR	OFF	2008/12/15 21:50
L13	8	6 and 9	US-PGPUB; USPAT; USOCR	OR	OFF	2008/12/15 21:51
S1	1	("20070098375").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/12/15 09:42

S2	4	((("6328583") or ("6509557") or ("20030015519") or ("6371693"))).PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/12/15 09:53
S3	38	("2224403"   "2306831"   "2806931"   "2851197"   "3327086"   "3483374"   "3515837"   "3549943"   "3604893"   "3891828"   "3975617"   "4545435"   "4645906"   "4716960"   "4808795"   "5100259"   "5142115"   "5241147"   "5256844"   "5289561"   "5834746"   "5960644").PN. OR ("6509557").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/12/15 09:54
S4	4	("1932456"   "4405196").PN. OR ("6328583").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/12/15 10:00
S5	884	paik.xp.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/12/15 10:01
S6	38	S5 and pipe and "392"/\$.ccls.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/12/15 10:01
S7	192	S5 and "392"/\$.ccls.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/12/15 10:02
S8	8	S7 and smoke	US-PGPUB; USPAT; USOCR	OR	OFF	2008/12/15 10:02
S9	412	paik.xa.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/12/15 10:06
S10	67	S9 and "392"/\$.ccls.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/12/15 10:06
S11	21	("4309159"   "4547656"   "4558196"   "4568820"   "4626278"   "4732085"   "4748817"   "4764660"   "4818843").PN. OR ("5870524").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/12/15 10:07
S12	13	("3861292"   "3871353"   "3969996").PN. OR ("4558196").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/12/15 10:07

S13	14	("1557044"   "2086140"   "3234357"   "3964604"   "4547656"   "4558196"   "4578320"   "4764660"   "4818843").PN. OR ("5706389").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/12/15 10:08
S14	17	("3234357").URPN.	USPAT	OR	OFF	2008/12/15 10:08
S15	10	("3234357"   "3964304"   "4493211"   "4764660"   "5353370").PN. OR ("5559923").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/12/15 10:09
S16	14	("1676984"   "2703488"   "3769833"   "3869909").PN. OR ("3964304").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/12/15 10:10
S17	18960	direct near3 heating	US-PGPUB; USPAT; USOCR	OR	OFF	2008/12/15 10:14
S18	1412104	tubular or pipe	US-PGPUB; USPAT; USOCR	OR	OFF	2008/12/15 10:14
S19	781	S17 and S18 and "219"/\$. ccls.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/12/15 10:14
S20	394	S17 and S18 and "392"/\$. ccls.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/12/15 10:14
S21	991	S19 S20	US-PGPUB; USPAT; USOCR	OR	OFF	2008/12/15 10:14
S22	62	S21 and (hydrate or hydrocarbon)	US-PGPUB; USPAT; USOCR	OR	OFF	2008/12/15 10:15
S23	67	("0972308"   "1231202"   "20030020499"   "2096279"   "2178720"   "2206831"   "2217857"   "2224403"   "2306831"   "2660249"   "2678377"   "2714930"   "2757738"   "2851197"   "2982354"   "3184958"   "3388724"   "3423570"   "3432186"   "3439075"   "3507330"   "3515837"   "3547193"   "3556218"   "3605888"   "3614986"   "3620300"   "3630038"   "3642066"   "3706872"   "3789188"   "3859503"   "3885595"	US-PGPUB; USPAT; USOCR	OR	OFF	2008/12/15 10:18

		"3933031"   "3935632"   "3944262"   "3958636"   "3975617"   "3981181"   "6049657"   "6264401"). PN. OR ("6707012"). URPN.				
S24	185	392/301.ccls.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/12/15 10:23
S25	15	S24 and (direct near3 heating)	US-PGPUB; USPAT; USOCR	OR	OFF	2008/12/15 10:24
S26	729	riser near3 cable	US-PGPUB; USPAT; USOCR	OR	OFF	2008/12/15 15:04
S27	3	S26 and "392"/\$.ccls.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/12/15 15:04
S28	8	("20020033554"   "3729613"   "4427033"   "6102077"   "6239363"   "6239374"   "6323420"   "6713724").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/12/15 16:08
S29	1	"20020028070"	US-PGPUB; USPAT; USOCR	OR	OFF	2008/12/15 16:38
S30	0	S29 and vessel	US-PGPUB; USPAT; USOCR	OR	OFF	2008/12/15 16:38
S31	1	"20020028070"	US-PGPUB; USPAT; USOCR	OR	OFF	2008/12/15 16:38
S32	358	392/301-306.ccls.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/12/15 16:39
S33	4689	chemical near3 injection	US-PGPUB; USPAT; USOCR	OR	OFF	2008/12/15 16:39
S34	118	hydrate near3 plug	US-PGPUB; USPAT; USOCR	OR	OFF	2008/12/15 16:39
S35	0	S33 with S34	US-PGPUB; USPAT; USOCR	OR	OFF	2008/12/15 16:39
S36	8	S33 and S34	US-PGPUB; USPAT; USOCR	OR	OFF	2008/12/15 16:39
S37	8	depressurization and S34	US-PGPUB; USPAT; USOCR	OR	OFF	2008/12/15 16:40

S38	13	S36 S37	US-PGPUB; USPAT; USOCR	OR	OFF	2008/12/15 16:40
S39	9	("20030178195"   "20040200618"   "4920752"   "5261490"   "5950732"   "6028235"   "6214175"   "6267849"   "6978837").PN. OR ("7222673").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/12/15 16:42
S40	12	("20020104649"   "4216738"   "5244505"   "5695009"   "6122791"   "6250387"   "6260617"   "6315498"   "6343657"   "6651744"   "6719050"   "7025142").PN. OR ("7279052").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/12/15 16:42
S41	21	S39 S40	US-PGPUB; USPAT; USOCR	OR	OFF	2008/12/15 16:44
S42	0	S41 and S37	US-PGPUB; USPAT; USOCR	OR	OFF	2008/12/15 16:44
S43	3	S41 and depressurization	US-PGPUB; USPAT; USOCR	OR	OFF	2008/12/15 16:44
S44	1	S32 and depressurization	US-PGPUB; USPAT; USOCR	OR	OFF	2008/12/15 16:44
S45	203	"166"/\$.ccls. and depressurization	US-PGPUB; USPAT; USOCR	OR	OFF	2008/12/15 16:44
S46	8	S34 and depressurization	US-PGPUB; USPAT; USOCR	OR	OFF	2008/12/15 16:45

12/15/08 10:22:07 PM

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